

IN THE ABSTRACT:

Please amend the Abstract as indicated below:

Basis motifs are determined from an input sequence through an iterative
5 technique that begins by creating small solid motifs and continues to create larger motifs
that include “don’t care” characters and that can include flexible portions. The small solid
motifs, including don’t care characters and flexible portions, are concatenated to create
larger motifs. During each iteration, motifs are trimmed to remove redundant motifs and
other motifs that do not meet certain criteria. The process is continued until no new
10 motifs are determined. At this point, the basis set of motifs has been determined. The
basis motifs are used to construct redundant motifs. The redundant motifs are formed by
determining a number of sets for selected basis motifs. From these sets, unique
intersection sets are determined. The redundant motifs are determined from the unique
intersection sets and the basis motifs. This process continues, by selecting additional
15 basis motifs.